



ecology and environment, inc.

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International Specialists in the Environment

MEMORANDUM

TO: Roy Crossland, EPA/DPO

FROM: Joseph Davis, E & E/TATM

THRU: Joe Chandler, E & E/TATL

DATE: June 30, 1994

SUBJECT: Site Assessment: Carter Carburetor Manufacturing Facility,
2800-2840 N. Spring Street, St. Louis, Missouri
TDD: T07-9403-0001
PAN: EMO1034SBA
EPA/OSC: Don Hamera

INTRODUCTION

The Ecology & Environment, Inc. (E & E), Technical Assistance Team (TAT) was tasked by the United States Environmental Protection Agency (EPA) Emergency Planning and Response (EP&R) Branch to conduct a site reconnaissance and assessment at the former Carter Carburetor manufacturing facility located at 2800 to 2840 North Spring Avenue in St. Louis, Missouri. Site activity included the assessment and documentation of site conditions, and the collection and management of air, wipe, and dust samples. A health and safety plan was produced prior to initiation of site work. Background information concerning this site was obtained from the EPA, the Missouri Department of Natural Resources (MDNR), the City of St. Louis, past and present property owners, and other individuals associated with the site. A summary report documenting all site activity was tasked after completion of field work.

BACKGROUND

The former Carter Carburetor facility manufactured equipment for gasoline and diesel-powered engines dating back to the 1930's. Aluminum and zinc were die cast and machined into carburetor components. Those components were treated with protective coatings and assembled on site. Materials related to this manufacturing process may have included polymers and resins for coatings and metal-treating solutions containing cyanide, lead, cadmium, chromium, and other metals. Materials associated with the manufacturing process included coolants, cutting fluids, lubrication and hydraulic oils, dielectric fluids from transformers, and possibly asbestos.

Carter Carburetor and Carter Automotive Products were subsidiaries

JD/JM

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T079403001/EMO1034SBA/D



recycled paper

S00072974
SUPERFUND RECORDS

of ACF Industries, Inc. ACF acquired the site property prior to the 1930's. In the mid-1980's, ACF closed the facility and dismantled most of the equipment. On April 26, 1985, the Land Reutilization Authority of St. Louis (LRA) accepted title of the property from ACF. LRA was informed by ACF that electrical equipment on site contained polychlorinated biphenyls (PCBs). On October 29, 1991, a large portion of the site was sold to George Moore, president of Carter Building Inc. (CBI). Currently, CBI owns the west half of the facility and the LRA owns the northeastern portion of the facility. The irregular shaped building does not have a southeast quadrant. CBI is currently leasing portions of the building to other businesses. The south end of the second floor is leased to a plastics company and the north end of the first floor is leased to a metal fabricating company. A garage in the east-central portion of the building is leased to Mac's Automotive Repair. A site sketch is presented as Attachment A.

On November 16, 1993, and January 6, 1994, under Technical Direction Document (TDD) TO7-9310-0027B, TAT conducted limited sampling in areas that were known or suspected to be contaminated with PCBs. Eighteen samples consisting of three soil samples, 12 wipe samples, one water sample, and two waste oil samples were collected and analyzed for PCBs. Samples indicated PCB concentration as high as 180,000 mg/kg in solids found outside of the building and 410,000 µg/100 cm² on surfaces inside of the building. Sediment sampled from an interior floor drain indicated 4,800 mg/kg PCBs. All samples exceed cleanup levels established under the Toxic Substances Control Act (TSCA). The PCB Spill Cleanup Policy contained in 40 CFR 761 Subpart G applies to releases of materials containing PCBs at concentrations of 50ppm or greater which occurred after May 4, 1987. The date and concentration of materials released are unknown. While old spills require site specific evaluation, the PCB Spill Cleanup Policy as described in this study has been included as a general reference only. Two samples that were analyzed for total metals indicated the presence of lead, arsenic, and cadmium.

Areas within the CBI property that were sampled during the November 16, 1993, and January 6, 1994, site assessments include a vaulted pump room near the center of the building that contained pumps, old boilers, and other equipment. This room formerly housed electrical Substation # 1 and is a confirmed area of PCB contamination. During prior cleanup activity in this area, contractors removed PCB transformers and a PCB-contaminated concrete transformer pad. A floor drain near the northwest corner of the concrete removal area is also known from the previous study to be contaminated with PCBs. Based on the location of city sewers, it is thought that this drain is connected to a 12-inch sewer line flowing south along Spring Street. At the east wall of the warehouse area is an interior drive-through door leading to the LRA property. Prior investigations have indicated that a PCB oil spill occurred just beyond the doorway, below electrical Substation # 3, which is located on the roof of LRA property.

Areas within the LRA property that were sampled during the previous study include the area around and below the transformers at Substation # 3 located on the second floor roof of the LRA building where it abuts

CBI property. Prior studies have indicated that this substation has leaked PCB-contaminated fluid down the side of the wall onto the floor of LRA property. Another platform-mounted substation, Substation # 4, near the northeast corner of the LRA building, was also known to be contaminated with PCBs. A floor plan of the former Carter Carburetor facility is presented as Attachment B.

Some of the interior surfaces of the facility are contaminated by PCBs at levels above 10 $\mu\text{g}/100\text{ cm}^2$ and may pose a health risk to personnel currently working at the facility. The PCBs may also migrate outside the facility through tracking by personnel and equipment as well as through the sewer system or stormwater runoff that may have become contaminated with PCBs. Based on this information, it was decided that further site characterization was necessary.

SITE ACTIVITY

TATM Joe Davis prepared a work plan specifying sampling events at the former Carter Carburetor facility. The primary objectives of the plan were to collect sufficient data to document the potential for PCB exposure to personnel currently working at the facility, and to collect data that would further delineate the extent of contamination within the building. The plan specified the collection of ambient air samples from heavy traffic areas in each of the facilities currently being utilized at the site. In addition to air samples, wipe and dust samples were to be randomly collected throughout the utilized and non-utilized portions of the facility.

On March 10, 1994, TAT performed decontamination and calibration of eight General Metal Works Modified High Volume PS-1 air samplers (PS-1 sampler) in preparation for the sampling event. Each high volume air sampler utilized a glass fiber filter (GFF) with a polyurethane foam (PUF) backup absorbent cartridge. All units were set to sample ambient air at a rate 200-240 L/minute as specified in EPA Method T04.

On March 15, 1994, TATMs Dave Kinroth, Ed Martin, and Joe Davis met with EPA On Scene Coordinator (OSC) Don Hamera to set up PS-1 air samplers. Two PS-1 samplers were collocated in the plastics shop, George Moore's work area, Mac's auto repair shop, and the metal fabrication shop. All PS-1 samplers were started between 0730 and 0840 hours on the morning of March 16, and were allowed to collect air samples through an 8-hour work shift at each location. Standard field documentation, including sample tags, field sheets, and chain-of-custody procedures, were followed. All air sample modules were placed in 32-ounce jars, packed on ice in a cooler, and hand delivered by the OSC to the EPA Region VII Laboratory in Kansas City, Kansas.

The following air samples were collected at these locations.

<u>Sample #</u>	<u>Location</u>
RZ3JJ001	Inside, near George Moore's office
RZ3JJ001Y	" " " " "

RZ3JJ002 Inside Mac's auto repair shop
 RZ3JJ002Y " " " " "

RZ3JJ003 Second Floor, plastics shop
 RZ3JJ003Y " " " " "

RZ3JJ004 Rear of metal fabrication shop
 RZ3JJ004Y " " " " "

At each location, one of the collocated PS-1 samplers was equipped with a clean GFF/PUF cartridge. The other PS-1 sampler was equipped with a PUF cartridge spiked at the action level of 0.5 mg/m³ with 50 milligrams of Aroclor 1260 (sample # qualified with a "Y"). Aroclor 1260 was identified in previous studies as the most prevalent PCB contaminant on site. Because Aroclor 1260 does not have a documented action level, the action level for Aroclor 1254 (0.5mg/m³) was used. For the purposes of spiking at the action level, a sample volume of 100 m³ was assumed.

Table 1 summarizes spike recovery percentages at each location based on actual air volumes using the equation: $\frac{[\text{concentration}(\text{mg}/\text{m}^3) \times \text{volume}(\text{m}^3)]}{50 \text{ mg}} \times 100$.

TABLE 1

<u>Sample #</u>	<u>Concentration</u>	<u>Air Volume</u>	<u>Recovery %</u>
RZ3JJ001Y	0.460	100.9	92.8
RZ3JJ002Y	0.430	105.4	90.6
RZ3JJ003Y	0.410	107.3	88.0
RZ3JJ004Y	0.520	86.1	89.5

The maximum concentration of PCB detected in the ambient air samples was 0.00011 mg/m³ of Aroclor 1242. This is below the documented NIOSH action level of 0.001 mg/m³ and the OSHA action level of 1 mg/m³ (skin).

Concurrent with the air sampling activities, TAT and the OSC randomly collected 50 wipe samples on floors and other surfaces throughout the site using 3-by 3-inch hexane-soaked Gauze pads. Twenty-two of the wipe samples were collected from surfaces in high traffic areas within the facilities currently being utilized. Twenty-eight other wipe samples were collected throughout the non-utilized portions of the site. In addition to the wipe samples, six dust samples and one water sample were collected at various points on site. One 55-gallon drum located in the north LRA parking lot was also sampled. The drum contained an unknown brown oily liquid.

Table 2 lists the locations of all other samples collected during the March 15-18 sampling event. The sample locations are further identified on the floor plans (Attachment B). All wipe samples were taken from four separate 25 square centimeter areas for a total of 100 cm² surface area using templates and cotton gauze pads saturated with hexane. The water sample was collected in an 80 ounce amber glass container. All solids and waste oil samples were collected and placed

in 8 ounce glass jars. Standard field documentation, including sample tags, field sheets, and chain-of-custody procedures were followed. All samples were packed on ice in a cooler and hand delivered by the OSC to the EPA Region VII Laboratory in Kansas City, Kansas.

TABLE 2
MARCH 15 -18

<u>Sample #</u>	<u>Media</u>	<u>Location</u>	<u>Analysis</u>
RZ3JJ011	wipe	Wood crates, SE corner of Wilco Plastics	
RZ3JJ012	wipe	Floor, south corridor of Wilco Plastics	
RZ3JJ013	wipe	Floor, west corridor of Wilco Plastics	
RZ3JJ014	wipe	North wall of Wilco Plastics (plastics shop)	
RZ3JJ015	wipe	Overhead lights, center of plastics shop	
RZ3JJ016	wipe	Floor, east corridor of plastics shop	
RZ3JJ017	wipe	Desk surfaces, south corridor of plastics shop	
RZ3JJ018	wipe	Floor, SW corner of Mac's Auto Shop	
RZ3JJ019	wipe	Floor, east room of Mac's Auto Shop	
RZ3JJ020	wipe	Wall, east room of Mac's Auto Shop	
RZ3JJ021	wipe	Shelves & desk top, Mac's Auto Shop	
RZ3JJ022	wipe	Floor, near overhead door to George Moore's office area of the warehouse	
RZ3JJ022D	wipe	Duplicate of RZ3JJ022	
RZ3JJ023	wipe	Main driveway corridor(E-W) inside of warehouse near George Moore's office	
RZ3JJ024	wipe	Driveway corridor(N-S) inside of warehouse near George Moore's office	
RZ3JJ025	wipe	Floor, inside George Moore's office	
RZ3JJ026	wipe	1st floor inside tool cage, SW corner of CBI building	
RZ3JJ027	wipe	West storage room, just north of tool cage in the south portion of 1st floor CBI building	
RZ3JJ028	wipe	N-S corridor on east side of 1st floor CBI	
RZ3JJ029	wipe	N-S corridor on west side of 1st floor CBI	
RZ3JJ030	wipe	Southern most E-W corridor of 1st floor CBI	
RZ3JJ031	wipe	North end of N-S corridor, east side, 2nd floor CBI	
RZ3JJ032	wipe	South end of N-S corridor, east side, 2nd floor CBI	
RZ3JJ033	wipe	South concourse area, west side, 2nd floor CBI	
RZ3JJ034	wipe	North concourse area, west side, 2nd floor CBI	
RZ3JJ035	wipe	North end of N-S corridor, east side, 3rd floor CBI	
RZ3JJ036	wipe	South end of N-S corridor, east side, 3rd floor CBI	
RZ3JJ037	wipe	South concourse area, west side, 3rd floor CBI	
RZ3JJ038	wipe	North concourse area, west side, 3rd floor CBI	
RZ3JJ039	wipe	South rooms, 4th floor CBI	
RZ3JJ040	wipe	Main room, east side of 4th floor CBI	
RZ3JJ041	wipe	North end locker room area, 4th floor CBI	
RZ3JJ042	soil	Dust from Floor of plastics shop	
RZ3JJ043	soil	Dust from 1st floor of CBI	
RZ3JJ044	wipe	Floor, west-central 4th floor CBI	
RZ3JJ045	wipe	Shelves and desk, inside plastics shop office	
RZ3JJ046	soil	Dust from 2nd floor of CBI	
RZ3JJ047	wipe	Stairway room adjacent to the metal fab shop and the north end of the building	
RZ3JJ048	wipe	N-S corridor, east end, inside of metal fab shop	
RZ3JJ049	wipe	Central floor area inside of metal fab shop	
RZ3JJ050	wipe	E-W corridor, south end, inside of metal shop	
RZ3JJ051	wipe	Office area of metal fab shop	

RZ3JJO52 wipe E-W corridor in central CBI warehouse near sliding door leading into metal fab shop, north of pump room
 RZ3JJO53 wipe N-S corridor in north-central CBI warehouse, north of pump room
 RZ3JJO54 wipe N-S corridor in north-east end of CBI warehouse
 RZ3JJO55 soil Dust, north-central end of CBI warehouse
 RZ3JJO56 wipe Field Blank
 RZ3JJO57 wipe Coffee room & back office floor, metal fab shop
 RZ3JJO58 wipe Floor inside metal fab shop near drive thru door leading into CBI warehouse
 RZ3JJO59 wipe Floor under stairs east of pump room
 RZ3JJO60 wipe South-central open area, 1st floor LRA building
 RZ3JJO61 wipe Center of LRA building just south of Die Cast building, 1st floor
 RZ3JJO62 wipe Stained area near 32-gallon transformer on floor at S-E corner of north die cast building. (The transformer is lying on its side in the corner of the large room. A 20-by 20-foot stained area appears to be oil drained from the transformer)
 RZ3JJO63 soil Solids collected from machine mounting pads in south Die Cast Room (material appears to be historic accumulation of oily residue related to the manufacturing process)
 RZ3JJO64 wipe Field blank
 RZ3JJO65 Wipe Stained area, central-west in north Die Cast Room (oily stain about 20 feet in diameter)
 RZ3JJO66 water Tank sump, central north die cast room
 RZ3JJO67 soil North LRA parking lot in pothole down grade from electrical sub-station #4
 RZ3JJO68 waste From 55-gallon drum, LRA north parking lot. Drum was labeled #64
 RZ3JJO69 wipe on walkway of loading dock at south side of CBI

FOLLOWUP ACTIVITIES

Table 3 presents an overview of the individual PCB levels detected in the samples that exceed the Toxic Substances Control Act (TSCA) cleanup levels of 10 µg/100 cm² for high-contact solid surfaces and low-contact, indoor, impervious solid surfaces for wipe samples and 10 milligrams per kilogram (mg/kg) for soil samples. Table 3 presents individual PCB concentrations only, while total PCB concentrations at other locations exceeded 10µg/100cm². The complete Analysis Request Report for the 3-day sampling event is presented as Attachment C.

TABLE 3

<u>Sample #</u>	<u>AROCOR 1248</u>	<u>AROCOR 1254</u>	<u>AROCOR 1260</u>
RZ3JJ022	--	--	17 µg/100cm ²
RZ3JJ022D	--	--	24 µg/100cm ²
RZ3JJ023	14 µg/100cm ²	20 µg/100cm ²	17 µg/100cm ²
RZ3JJ024	--	14 µg/100cm ²	--
RZ3JJ026	20 µg/100cm ²	47 µg/100cm ²	10 µg/100cm ²
RZ3JJ027	--	10 µg/100cm ²	--
RZ3JJ028	64 µg/100cm ²	53 µg/100cm ²	--
RZ3JJ029	39 µg/100cm ²	69 µg/100cm ²	14 µg/100cm ²
RZ3JJ030	32 µg/100cm ²	46 µg/100cm ²	11 µg/100cm ²
RZ3JJ031	--	30 µg/100cm ²	16 µg/100cm ²
RZ3JJ033	--	25 µg/100cm ²	--
RZ3JJ035	--	12 µg/100cm ²	--
RZ3JJ036	--	21 µg/100cm ²	--
RZ3JJ037	40 µg/100cm ²	34 µg/100cm ²	28 µg/100cm ²
RZ3JJ038	27 µg/100cm ²	99 µg/100cm ²	15 µg/100cm ²
RZ3JJ043	78 mg/kg	--	--
RZ3JJ047	333 µg/100cm ²	490 µg/100cm ²	64 µg/100cm ²
RZ3JJ048	10 µg/100cm ²	--	--
RZ3JJ049	--	15 µg/100cm ²	--
RZ3JJ050	10 µg/100cm ²	13 µg/100cm ²	--
RZ3JJ052	11 µg/100cm ²	18 µg/100cm ²	--
RZ3JJ053	10 µg/100cm ²	13 µg/100cm ²	--
RZ3JJ054	370 µg/100cm ²	470 µg/100cm ²	--
RZ3JJ055	1,500 mg/kg	--	--
RZ3JJ058	31 µg/100cm ²	27 µg/100cm ²	--
RZ3JJ059	82 µg/100cm ²	110 µg/100cm ²	250 µg/100cm ²
RZ3JJ060	--	15 µg/100cm ²	10 µg/100cm ²
RZ3JJ061	52 µg/100cm ²	60 µg/100cm ²	23 µg/100cm ²
RZ3JJ062	--	16,000 µg/100cm ²	120,000 µg/100cm ²
RZ3JJ063	3,300 mg/kg	--	--
RZ3JJ065	24,000 µg/100cm ²	3,400 µg/100cm ²	1,000 µg/100cm ²
RZ3JJ067	--	--	1,600 mg/kg
RZ3JJ068	--	--	55 mg/kg
RZ3JJ069	71 µg/100cm ²	210 µg/100cm ²	84 µg/100cm ²

Soil samples RZ3JJ042, RZ3JJ043, RZ3JJ046, and RZ3JJ055, which were also analyzed for total metals, indicated total lead levels of 2,070 mg/kg, 1,170 mg/kg, 2,170 mg/kg, and 3,840 mg/kg, respectively. OSWER

directive 9355.4-02 has established an interim action level of 500 to 1,000 mg/kg total lead in soil. EPA Region VII policy has established an action level of 500 ppm total lead in soil in residential areas and 1,000 mg/kg in industrial settings. Arsenic and cadmium were also detected at levels as high as 21.0 mg/kg and 40.6 mg/kg, respectively.

SUMMARY

TAT was tasked by Region VII EPA/EP&R to conduct site reconnaissance and assessment at the former Carter Carburetor manufacturing facility located at 2800 to 2840 North Spring Avenue St. Louis, Missouri. Sixty-two samples consisting of four ambient air samples, fifty wipe samples, six soil samples, one water sample, and one waste oil sample were collected and analyzed for PCBs. Samples indicated PCB levels as high as 58 ug/100cm² on surfaces within actively utilized areas of the facility, and 3,300 mg/kg in solids found on the floors and 136,000 µg/100 cm² on surfaces within the non-utilized portions of the site. The maximum concentration of PCB detected in ambient air samples was 0.00011 mg/m³ of Aroclor 1242. This is below the documented NIOSH level of 0.001 mg/m³ and the OSHA action level of 1 mg/m³ (skin). Three of the soil samples that were analyzed for total metals indicated levels of lead, arsenic, and cadmium as high as 3,840 mg/kg, 21.0 mg/kg and 40.6 mg/kg, respectively.

ATTACHMENTS

- A: Site Sketch
- B: Former Carter Carburetor Floor Plans, sample locations
- C: Data Transmittals for Sampling Events
- D: Photographic Record

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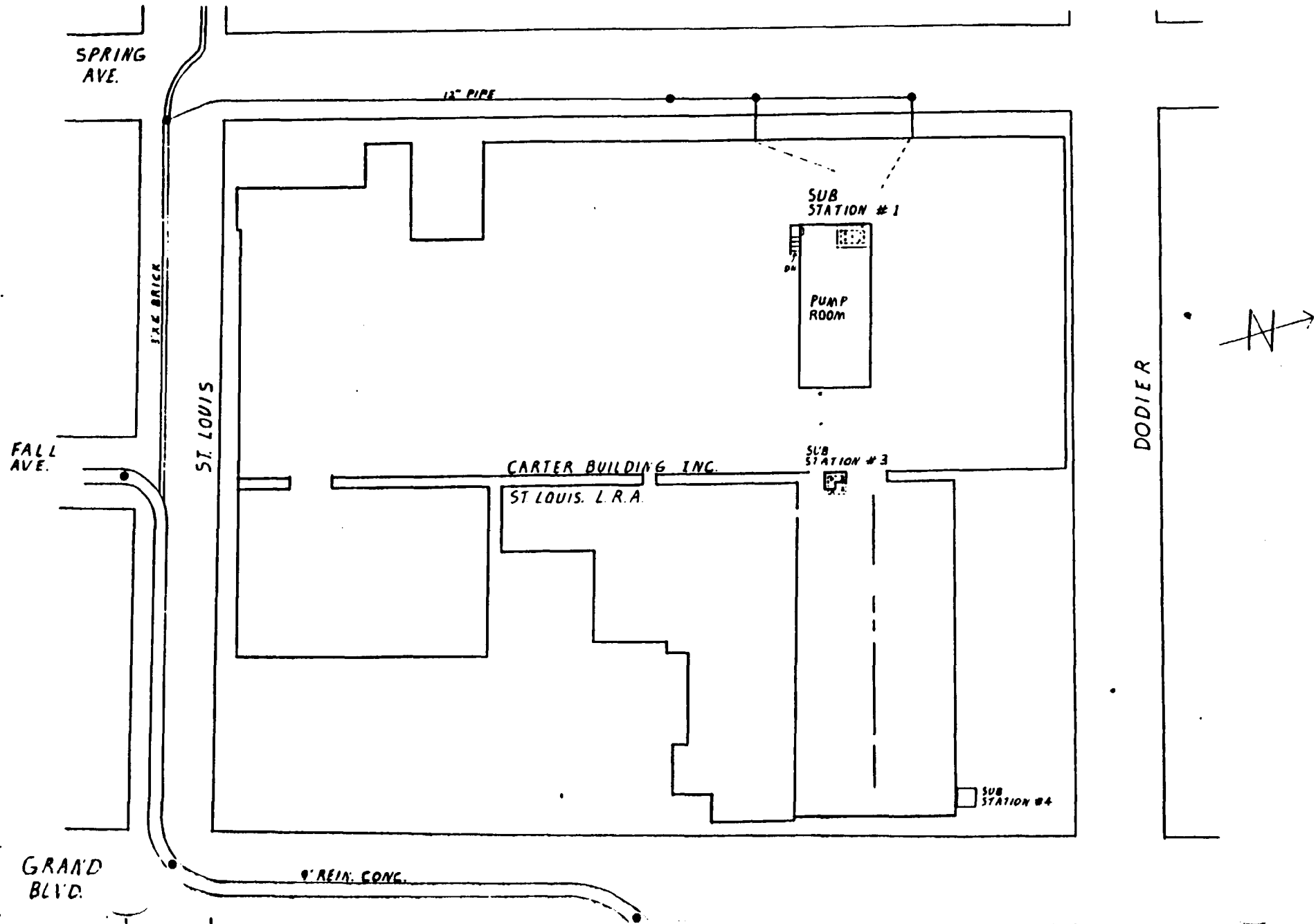
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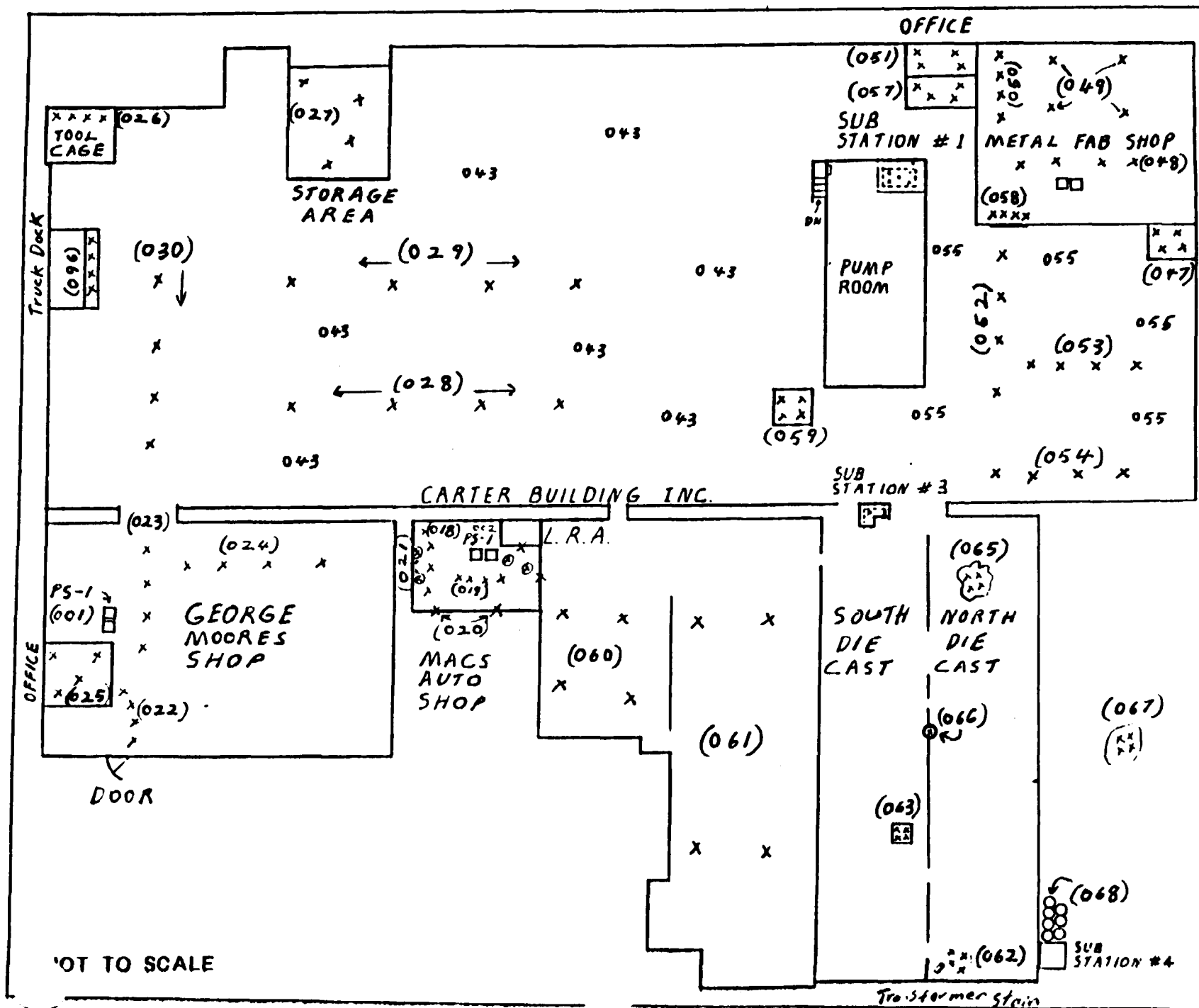
ATTACHMENT A

ATTACHMENT A
FORMER CARTER CARBURETOR SITE

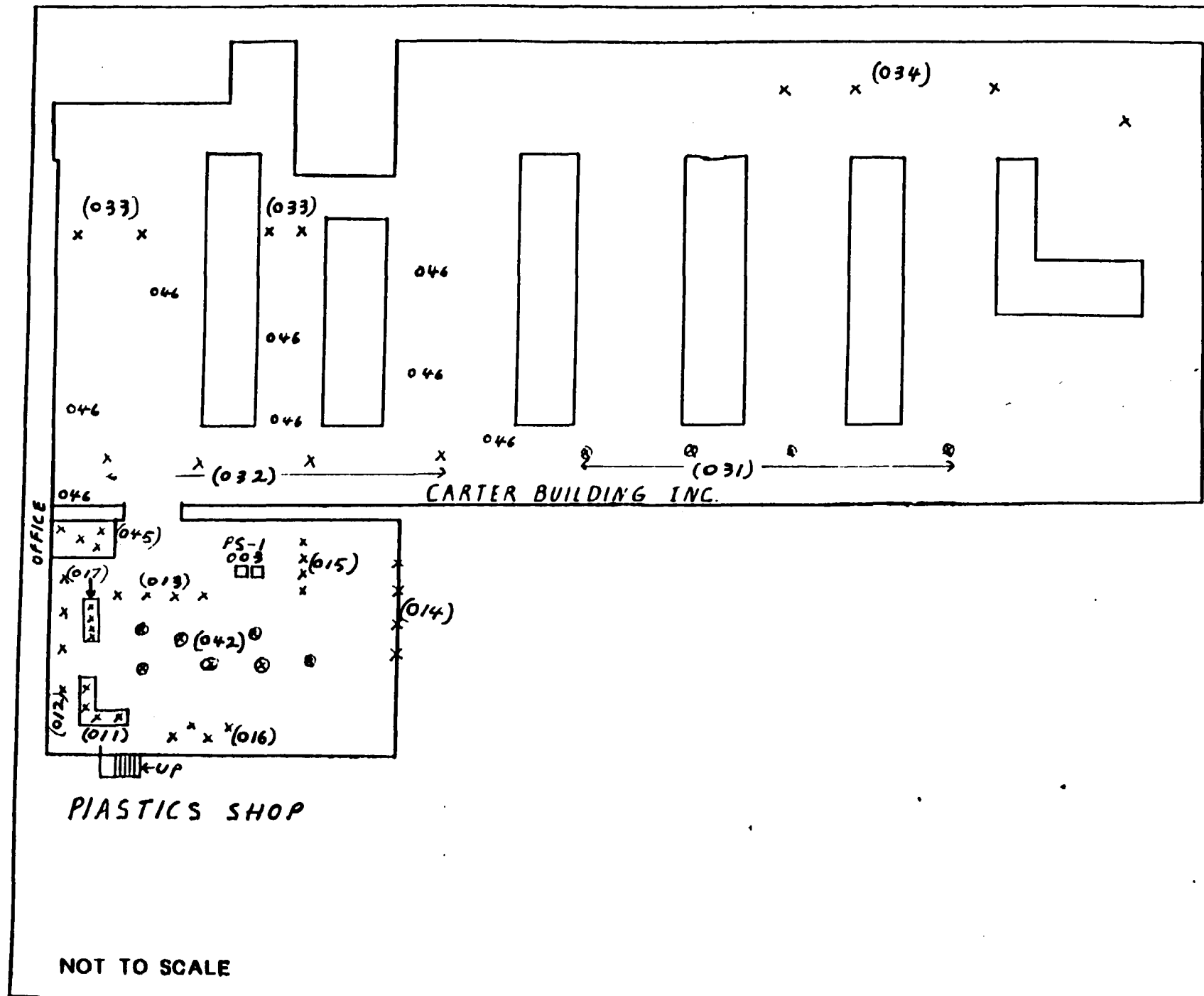


ATTACHMENT B

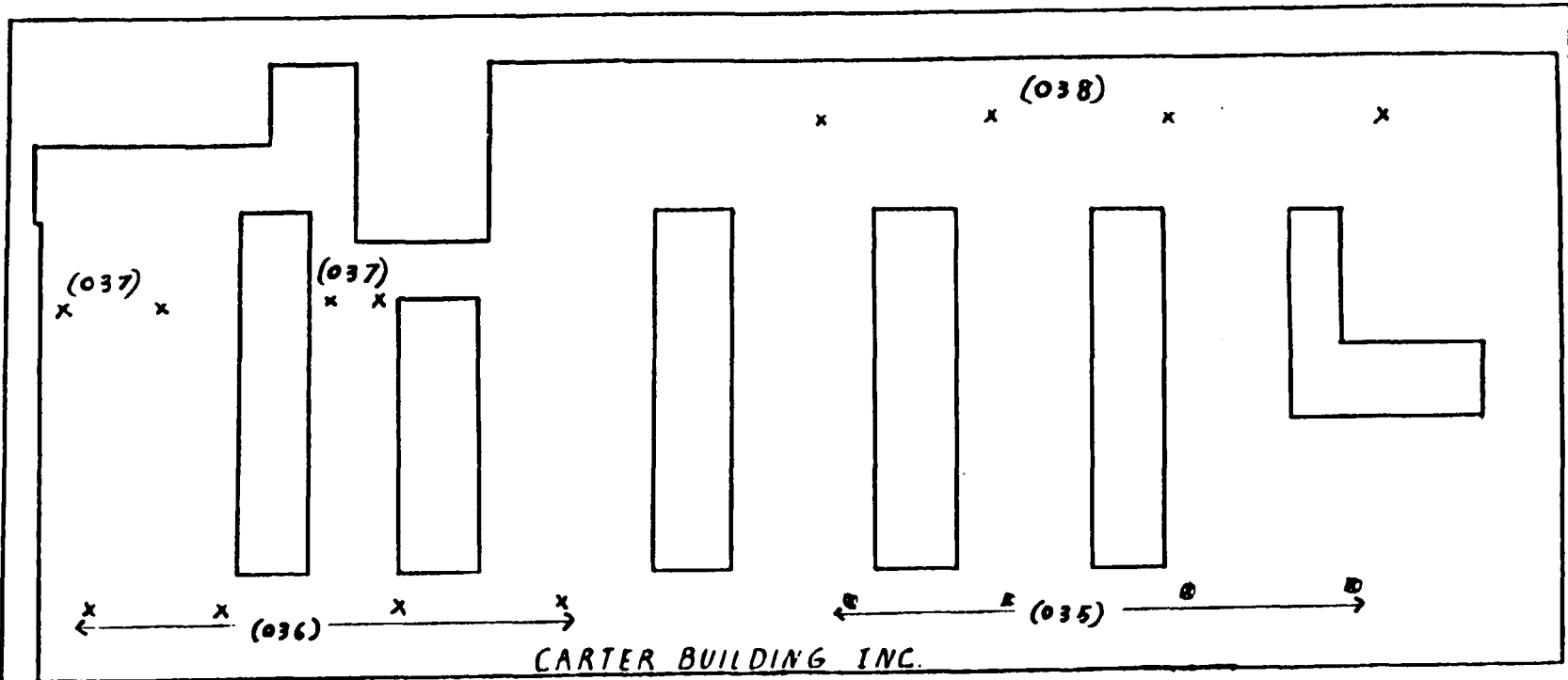
FIRST FLOOR



SECOND FLOOR

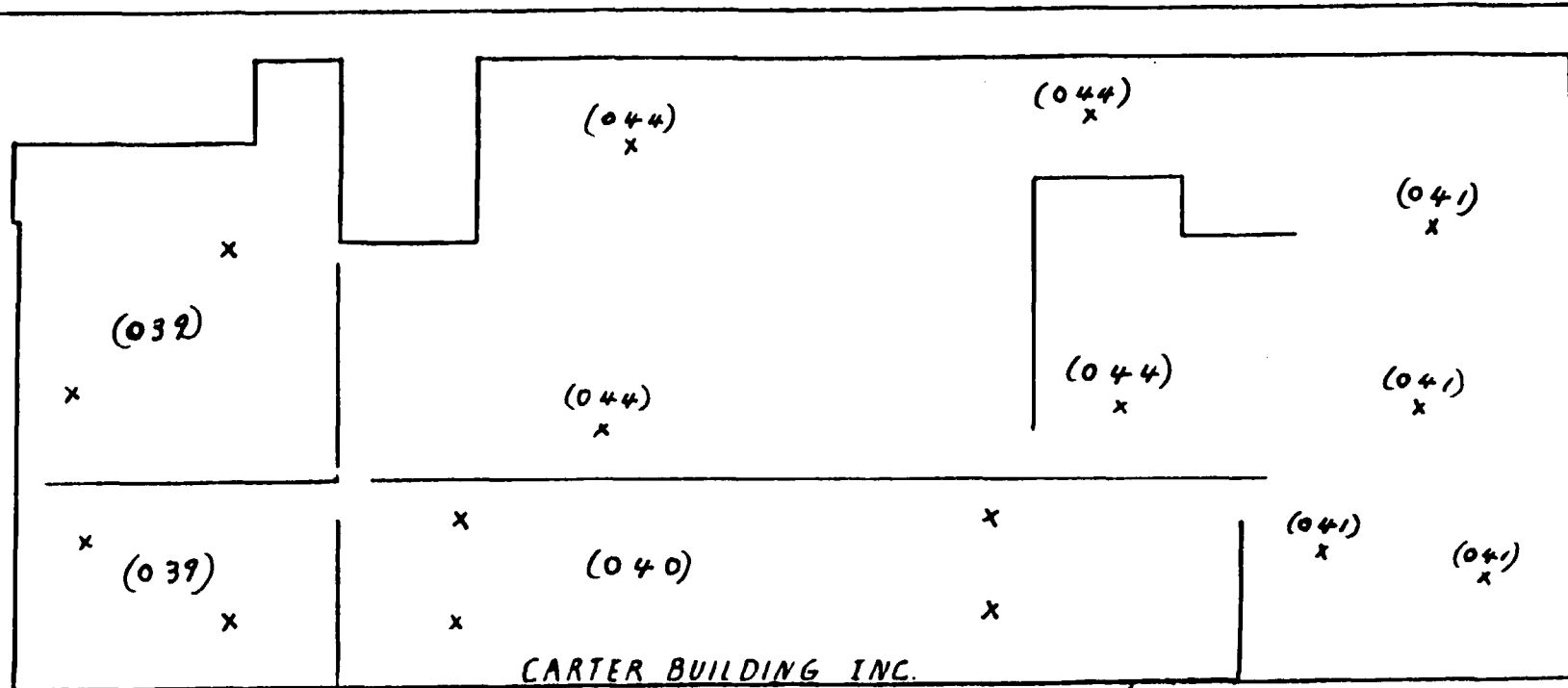


THIRD FLOOR



NOT TO SCALE

FOURTH FLOOR



NOT TO SCALE

ATTACHMENT C

ATTACHMENT D

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ATTAC NT C

ANALYSIS REQUEST REPORT

VALIDATED DATA.

FOR ACTIVITY: RZ3JJ

HAMERA, DON

04/06/94 10:03:50

ALL REAL SAMPLES AND FIELD Q.C.

* FINAL REPORT

FY: 94 ACTIVITY: RZ3JJ DESCRIPTION: CARTER CARBURETOR LOCATION: ST. LOUIS MISSOURI

STATUS: ACTIVE TYPE: SAMPLING - IN HOUSE ANALYSIS PROJECT: L33

LABO DUE DATE IS 4/20/94. REPORT DUE DATE IS 5/2/94.

INSPECTION DATE: 3/18/94 ALL SAMPLES RECEIVED DATE: 03/21/94

ALL DATA APPROVED BY LABO DATE: 04/01/94 FINAL REPORT TRANSMITTED DATE: 04/06/94

EXPECTED LABO TURNAROUND TIME IS 30 DAYS EXPECTED REPORT TURNAROUND TIME IS 45 DAYS

ACTUAL LABO TURNAROUND TIME IS 11 DAYS ACTUAL REPORT TURNAROUND TIME IS 19 DAYS

SITE CODE: JJ SITE: CARTER CARBURETOR SITE

SAMP NO.	QCC	M	DESCRIPTION	SAMPLE STATUS	#	CITY	STATE	AIRS/ STORET LOC NO	LAY- SECT	ER	BEG. DATE	BEG. TIME	END. DATE	END. TIME
001		A	GEORGE MOORES OFFICE AREA-1ST FLOOR	1	ST.	LOUIS	MISSOURI				03/16/94	08:15	03/16/94	16:10
001	Y	A	GEORGE MOORES OFFICE AREA	1	ST.	LOUIS	MISSOURI				03/16/94	08:17	03/16/94	16:11
002	Y	A	MACS AUTO SHOP	1	ST.	LOUIS	MISSOURI				03/16/94	08:42	03/16/94	16:40
003	Y	A	MACS AUTO SHOP	1	ST.	LOUIS	MISSOURI				03/16/94	08:43	03/16/94	16:41
003	Y	A	WILCO PLASTICS SHOP	1	ST.	LOUIS	MISSOURI				03/16/94	07:40	03/16/94	15:57
004	Y	A	WILCO PLASTICS SHOP	1	ST.	LOUIS	MISSOURI				03/16/94	07:38	03/16/94	15:58
004	Y	A	METAL FABRICATION SHOP	1	ST.	LOUIS	MISSOURI				03/16/94	08:01	03/16/94	16:17
010	F	A	FIELD BLANK	1	ST.	LOUIS	MISSOURI				03/16/94	07:59	03/16/94	16:20
011		A	SE CORNER WILCO PLASTICS-2ND FLOOR	1	ST.	LOUIS	MISSOURI				03/15/94	00:00		
011		A	SE CORNER WILCO PLASTICS-2ND FLOOR	1	ST.	LOUIS	MISSOURI				03/15/94	14:55		
012		A	SOUTH CORRIDOR-PLASTICS SHOP-2ND FLR.	1	ST.	LOUIS	MISSOURI				03/15/94	15:12		
013		A	WEST CORRIDOR-PLASTICS SHOP-FLOOR	1	ST.	LOUIS	MISSOURI				03/15/94	15:18		
014		A	NORTH WALL - PLASTICS SHOP	1	ST.	LOUIS	MISSOURI				03/15/94	15:21		
015		A	CENTER-PLASTICS SHOP/OVERHEAD LIGHTS	1	ST.	LOUIS	MISSOURI				03/15/94	15:22		
016		A	EAST CORRIDOR-PLASTICS SHOP-FLOOR	1	ST.	LOUIS	MISSOURI				03/15/94	15:25		
017		A	DESK SURFACES-SOUTH CORRIDOR	1	ST.	LOUIS	MISSOURI				03/16/94	08:47		
018		A	FLOOR-SU CORNER-MACRS AUTO SHOP	1	ST.	LOUIS	MISSOURI				03/16/94	08:49		
019		A	EAST RM. - FLOOR-MACRS AUTO SHOP	1	ST.	LOUIS	MISSOURI				03/16/94	08:50		
020		A	EAST RM. WALLS-MACRS AUTO SHOP	1	ST.	LOUIS	MISSOURI				03/16/94	08:51		
021		A	SHELVES/DESK TOP SURF.-MACRS AUTO SHOP	1	ST.	LOUIS	MISSOURI				03/16/94	09:25		
022		A	GEORGE MOORES OFFICE/WAREHOUSE-FLOOR	1	ST.	LOUIS	MISSOURI				03/16/94	09:25		
022	D	H	GEORGE MOORES OFFICE-DUPPLICATE OF 022	1	ST.	LOUIS	MISSOURI				03/16/94	09:25		
023		H	MAIN DRIVEWAY CORRIDOR-BLDG.	1	ST.	LOUIS	MISSOURI				03/16/94	09:28		

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SAMP. NO.	QCC	M	DESCRIPTION	SAMPLE # STATUS	CITY	STATE	AIRS/STORÉ LOC NO	LAY-ER	BEG. DATE	BEG. TIME	END. DATE	END. TIME
024	H	H	DRIVEWAY AREA N-2-WAREHOUSE RM.	1	ST.	MISSOURI			03/16/94	09:30		
025	H	H	GEORGE MOORES OFFICE-INSIDE FLOOR	1	ST.	MISSOURI			03/16/94	09:35		
026	H	H	SW CORNER CBI PROPERTY-1ST FLR.	1	ST.	MISSOURI			03/16/94	09:40		
027	H	H	WEST STORAGE AREA-CBI BLDG.-1ST FLOOR	1	ST.	MISSOURI			03/16/94	09:45		
028	H	H	EAST CORRIDOR-1ST FLR. CBI WAREHOUSE	1	ST.	MISSOURI			03/16/94	09:50		
029	H	H	WEST CORRIDOR-1ST FLR. CBI WAREHOUSE	1	ST.	MISSOURI			03/16/94	10:00		
030	H	H	SOUTH MOST CORRIDOR-CBI BLDG.-1ST FLR.	1	ST.	MISSOURI			03/16/94	10:10		
031	H	H	NORTH END CORRIDOR-2ND FLR.-CBI WARE.	1	ST.	MISSOURI			03/16/94	10:55		
032	H	H	SOUTH END CORRIDOR-2ND FLR.-EAST	1	ST.	MISSOURI			03/16/94	11:05		
033	H	H	SOUTH END CONCOURSE AREA-WND FLR.WEST	1	ST.	MISSOURI			03/16/94	10:55		
034	H	H	NORTH CONCOURSE AREA-2ND FLR.WEST CBI	1	ST.	MISSOURI			03/16/94	11:05		
035	H	H	3RD FLOOR CBI CORRIDOR NORTH	1	ST.	MISSOURI			03/16/94	11:15		
036	H	H	3RD FLOOR EAST CORRIDOR CBI-SOUTH	1	ST.	MISSOURI			03/16/94	11:20		
037	H	H	SOUTH CONCOURSE AREA-3RD FLOOR	1	ST.	MISSOURI			03/16/94	11:15		
038	H	H	NORTH CONCOURSE AREA-3RD FLOOR	1	ST.	MISSOURI			03/16/94	11:30		
039	H	H	4TH FLOOR CBI-SOUTH ROOMS-FLOOR	1	ST.	MISSOURI			03/16/94	11:40		
040	H	H	4TH FLOOR(EAST)MAIN ROOM FLOOR	1	ST.	MISSOURI			03/16/94	11:30		
041	H	H	4TH FLOOR NORTH END LOCKER ROOM AREA	1	ST.	MISSOURI			03/16/94	11:40		
042	S	S	WILCO PLASTICS SHOP-DUST FROM FLOOR	1	ST.	MISSOURI			03/16/94	09:04		
043	S	S	1ST FLOOR-CBI BUILDING WAREHOUSE	1	ST.	MISSOURI			03/16/94	10:30		
044	H	H	4TH FLOOR CBI BLDG.WEST CENTRAL (FLR.)	1	ST.	MISSOURI			03/16/94	11:40		
045	H	H	INSIDE OFFICE-PLASTICS SHOP-SOUTH END	1	ST.	MISSOURI			03/16/94	14:00		
046	S	S	2ND FLR.-CBI WAREHOUSE AREA	1	ST.	MISSOURI			03/16/94	13:43		
047	H	H	METAL FABRICATION AREA-STAIRWAY RM.	1	ST.	MISSOURI			03/16/94	14:37		
048	H	H	METAL FABRICATION AREA-EAST CORRIDOR	1	ST.	MISSOURI			03/16/94	14:40		
049	H	H	METAL FABRICATION AREA-CENTRAL CORR.	1	ST.	MISSOURI			03/16/94	14:43		
050	H	H	METAL FABRICATION AREA-WARE/PROD.AREA	1	ST.	MISSOURI			03/16/94	14:45		
051	H	H	OFFICE AREA-METAL FABRICATION SHOP	1	ST.	MISSOURI			03/16/94	14:50		
052	H	H	NORTH END-CENTRAL CBI WAREHOUSE	1	ST.	MISSOURI			03/16/94	14:55		
053	H	H	CENTRAL CORRIDOR-N.END 1ST FLR. CBI	1	ST.	MISSOURI			03/16/94	15:00		
054	H	H	NE END-CBI WAREHOUSE BLDG.-EAST CORR.	1	ST.	MISSOURI			03/16/94	15:05		
055	S	S	1ST FLR.-N.END CBI WAREHOUSE	1	ST.	MISSOURI			03/16/94	15:10		
056	F	H	FIELD BLANK WIPE SAMPLE	1	ST.	MISSOURI			03/16/94	15:15		
057	H	H	COFFEE ROOM & BACK OFFICE FLOOR	1	ST.	MISSOURI			03/16/94	15:10		
058	H	H	FLOOR NEAR DOORWAY	1	ST.	MISSOURI			03/17/94	10:04		
059	H	H	CBI PROPERTY STAINED AREA-FLOOR	1	ST.	MISSOURI			03/17/94	10:48		
060	H	H	SOUTH END-OPEN AREA LRA PROPERTY BLDG.	1	ST.	MISSOURI			03/17/94	13:23		
061	H	H	CENTER LRA BLDG.	1	ST.	MISSOURI			03/16/94	13:25		
062	H	H	STAINED AREA-32ND TRANSFORMER FLR.	1	ST.	MISSOURI			03/17/94	13:37		
063	S	S	SOUTH DIE CAST AREA LRA PROPERTY	1	ST.	MISSOURI			03/17/94	13:30		
064	F	H	FIELD BLANK	1	ST.	MISSOURI			03/18/94	15:00		
065	H	H	WIPE SAMPLE	1	ST.	MISSOURI			03/18/94	09:56		
066	W	W	PCB WATER SAMPLE	1	ST.	MISSOURI			03/18/94	10:25		
067	S	S	LRA PROPERTY-NORTH PARKING LOT	1	ST.	MISSOURI			03/18/94	08:50		
068	H	H	LRA NORTH LOT-OUTSIDE N.END OF BLDG.	1	ST.	MISSOURI			03/18/94	09:18		
069	H	H	WIPE SAMPLE	1	ST.	MISSOURI			03/18/94	09:56		

03/18/94 09:56

EXPLANATION OF CODES AND INFORMATION ON ANALYSIS REQUEST DETAIL REPORT

SAMPLE INFORMATION:

SAMP. NO. = SAMPLE IDENTIFICATION NUMBER (A 3-DIGIT NUMBER WHICH IN COMBINATION WITH THE ACTIVITY NUMBER AND QCC, PROVIDES AN UNIQUE NUMBER FOR EACH SAMPLE FOR IDENTIFICATION PURPOSES)

QCC = QUALITY CONTROL CODE (A ONE-LETTER CODE USED TO DESIGNATE SPECIFIC QC SAMPLES. THIS FIELD WILL BE BLANK FOR ALL NON-QC OR ACTUAL SAMPLES):

B = CAL INCREASED CONCENTRATION FOR A LAB SPIKED DUP SAMPLE

D = MEASURED VALUE FOR FIELD DUPLICATE SAMPLE

F = MEASURED VALUE FOR FIELD BLANK

G = MEASURED VALUE FOR METHOD STANDARD

H = TRUE VALUE FOR METHOD STANDARD

K = CAL INCREASED CONCENTRATION FOR FIELD SPIKED DUP SAMPLE

L = MEASURED VALUE FOR A LAB DUPLICATE SAMPLE

M = MEASURED VALUE FOR LAB BLANK

N = MEASURED CONCENTRATION OF FIELD SPIKED DUPLICATE

P = MEASURED VALUE FOR PERFORMANCE STANDARD

R = CAL INCREASED CONCENTRATION RESULTING FROM LAB SPIKE

S = MEASURED CONCENTRATION OF LAB SPIKED SAMPLE

T = TRUE VALUE OF PERFORMANCE STANDARD

U = MEASURED CONCENTRATION OF LAB SPIKED DUPLICATE

Y = MEASURED CONCENTRATION OF FIELD SPIKED SAMPLE

Z = CAL INCREASED CONCENTRATION RESULTING FROM FIELD SPIKE

1 = MEASURED VALUE OF FIRST SPIKED REPLICATE

2 = MEASURED VALUE OF SECOND SPIKED REPLICATE

3 = MEASURED VALUE OF THIRD SPIKED REPLICATE

4 = MEASURED VALUE OF FOURTH SPIKED REPLICATE

5 = MEASURED VALUE OF FIFTH SPIKED REPLICATE

6 = MEASURED VALUE OF SIXTH SPIKED REPLICATE

7 = MEASURED VALUE OF SEVENTH SPIKED REPLICATE

M = MEDIA CODE (A ONE-LETTER CODE DESIGNATING THE MEDIA OF THE SAMPLE):

A = AIR H = HAZARDOUS WASTE/OTHER

S = SOLID (SOIL, SEDIMENT, SLUDGE)

T = TISSUE (PLANT & ANIMAL)

W = WATER (GROUND WATER, SURFACE WATER, WASTE WATER, DRINKING WATER)

DESCRIPTION = A SHORT DESCRIPTION OF THE LOCATION WHERE SAMPLE WAS COLLECTED

AIRS/STORET LOC. NO. = THE SPECIFIC LOCATION ID NUMBER OF EITHER OF THESE NATIONAL DATABASE SYSTEMS, AS APPROPRIATE

DATE/TIME INFORMATION = SPECIFIC INFORMATION REGARDING WHEN THE SAMPLE WAS COLLECTED

BEG. DATE = DATE SAMPLING WAS STARTED

BEG. TIME = TIME SAMPLING WAS STARTED

END DATE = DATE SAMPLING WAS COMPLETED

END TIME = TIME SAMPLING WAS COMPLETED

NOTE: A GRAB SAMPLE WILL CONTAIN ONLY BEG. DATE/TIME

A TIMED COMPOSITE SAMPLE WILL CONTAIN BOTH BEG AND END DATE/TIME TO DESIGNATE DURATION OF SAMPLE COLLECTION

OTHER CODES

V = VALIDATED

ANALYTICAL RESULTS/MEASUREMENTS INFORMATION:

COMPOUND = HGP (MEDIA-GROUP-PARAMETER) CODE AND NAME OF THE MEASURED CONSTITUENT OR CHARACTERISTIC OF EACH SAMPLE

UNITS = SPECIFIC UNITS IN WHICH RESULTS ARE REPORTED:

C = CENTIGRADE (CELSIUS) DEGREES

CFS = CUBIC FEET PER SECOND

GPM = GALLONS PER MINUTE

IN = INCHES

I.D. = SPECIES IDENTIFICATION

KG = KILOGRAM

L = LITER

LB = POUNDS

MG = MILLIGRAMS (1 X 10⁻³ GRAMS)

MGD = MILLION GALLONS PER DAY

MPH = MILES PER HOUR

MV = MILLIVOLT

M/F = MALE/FEMALE

M2 = SQUARE METER

M3 = CUBIC METER

NA = NOT APPLICABLE

NG = NANOGRAMS (1 X 10⁻⁹ GRAMS)

NTU = NEPHELOMETRIC TURBIDITY UNITS

PC/L = PICO (1 X 10⁻¹²) CURRIES PER LITER

PG = PICOGRAMS (1 X 10⁻¹² GRAMS)

P/CM2 = PICOGRAMS PER SQUARE CENTIMETER

SCM = STANDARD CUBIC METER (1 ATM, 25 C)

SQ FT = SQUARE FEET

SU = STANDARD UNITS (PH)

UG = MICROGRAMS (1 X 10⁻⁶ GRAMS)

UMHOS = MICROMHOS/CM (CONDUCTIVITY UNITS)

U/CC2 = MICROGRAMS PER 100 SQUARE CENTIMETERS

U/CM2 = MICROGRAMS PER SQUARE CENTIMETER

1000G = 1000 GALLONS

+/- = POSITIVE/NEGATIVE

= NUMBER

DATA QUALIFIERS = SPECIFIC CODES USED IN CONJUNCTION WITH DATA VALUES TO PROVIDE ADDITIONAL INFORMATION ON THE REPORTED RESULTS, OR USED TO EXPLAIN THE ABSENCE OF A SPECIFIC VALUE:

BLANK = IF FIELD IS BLANK, NO REMARKS OR QUALIFIERS ARE PERTINENT. FOR FINAL REPORTED DATA, THIS MEANS THAT THE VALUES HAVE BEEN REVIEWED AND FOUND TO BE ACCEPTABLE FOR USE.

I = INVALID SAMPLE/DATA - VALUE NOT REPORTED

J = DATA REPORTED BUT NOT VALID BY APPROVED QC PROCEDURES

K = ACTUAL VALUE OF SAMPLE IS < VALUE REPORTED

L = ACTUAL VALUE OF SAMPLE IS > VALUE REPORTED

M = DETECTED BUT BELOW THE LEVEL OF REPORTED VALUE FOR ACCURATE QUANTIFICATION

O = PARAMETER NOT ANALYZED

U = ACTUAL VALUE OF SAMPLE IS < THE MEASUREMENT DETECTION LIMIT (REPORTED VALUE)

ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 4-R23JJ

VALIDATED DATA

COMPOUND	UNITS	001	001 Y	002	002 Y	003
AP01 PCB-AROCOR 1016, GFF/PUF	UG/M3	0.0013 U		0.0013 U		0.0013 U
AP02 PCB-AROCOR 1221, GFF/PUF	UG/M3	0.0025 U		0.0025 U		0.0025 U
AP03 PCB-AROCOR 1232, GFF/PUF	UG/M3	0.0025 U		0.0025 U		0.0025 U
AP04 PCB-AROCOR 1242, GFF/PUF	UG/M3	0.052		0.018		0.11
AP05 PCB-AROCOR 1248, GFF/PUF	UG/M3	0.0013 U		0.0013 U		0.0013 U
AP06 PCB-AROCOR 1254, GFF/PUF	UG/M3	0.0013 U		0.0013 U		0.0013 U
AP07 PCB-AROCOR 1260, GFF/PUF	UG/M3	0.0013 U	460	0.0013 U	430	0.0013 U
ZZ01 SAMPLE NUMBER	NA	001	001	002	002	003
ZZ02 ACTIVITY CODE	NA	R23JJ	R23JJ	R23JJ	R23JJ	R23JJ

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ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 4-RZ3JJ

VALIDATED DATA

COMPOUND	UNITS	003 Y	004 .	004 Y	010 F	011
AP01 PCB-AROCOR 1016, GFF/PUF	UG/M3		0.0013 U		0.0013 U	
AP02 PCB-AROCOR 1221, GFF/PUF	UG/M3		0.0025 U		0.0025 U	
AP03 PCB-AROCOR 1232, GFF/PUF	UG/M3		0.0025 U		0.0025 U	
AP04 PCB-AROCOR 1242, GFF/PUF	UG/M3		0.0013 U		0.0013 U	
AP05 PCB-AROCOR 1248, GFF/PUF	UG/M3		0.060		0.0013 U	
AP06 PCB-AROCOR 1254, GFF/PUF	UG/M3		0.0013 U		0.0013 U	
AP07 PCB-AROCOR 1260, GFF/PUF	UG/M3	410	0.0013 U	520	0.0013 U	
HC11 PCB - AROCLOR 1016, WIPE	UGCM2					0.0040 U
HC12 PCB - AROCLOR 1221, WIPE	UGCM2					0.0030 U
HC13 PCB - AROCLOR 1232, WIPE	UGCM2					0.0010 U
HC14 PCB - AROCLOR 1242, WIPE	UGCM2					0.0040 U
HC15 PCB - AROCLOR 1248, WIPE	UGCM2					0.0040 U
HC16 PCB - AROCLOR 1254, WIPE	UGCM2					0.0040 U
HC17 PCB - AROCLOR 1260, WIPE	UGCM2					0.0010 U
ZZ01 SAMPLE NUMBER	NA	003	004	004	010	011
ZZ02 ACTIVITY CODE	NA	RZ3JJ	RZ3JJ	RZ3JJ	RZ3JJ	RZ3JJ

ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 4-RZ3JJ

VALIDATED DATA.

COMPOUND	UNITS	012	013	014	015	016
HC11 PCB - AROCLOR 1016, WIPE	UGCM2	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
HC12 PCB - AROCLOR 1221, WIPE	UGCM2	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
HC13 PCB - AROCLOR 1232, WIPE	UGCM2	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
HC14 PCB - AROCLOR 1242, WIPE	UGCM2	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
HC15 PCB - AROCLOR 1248, WIPE	UGCM2	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.027
HC16 PCB - AROCLOR 1254, WIPE	UGCM2	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.020
HC17 PCB - AROCLOR 1260, WIPE	UGCM2	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0094
ZZ01 SAMPLE NUMBER	NA	012	013	014	015	016
ZZ02 ACTIVITY CODE	NA	RZ3JJ	RZ3JJ	RZ3JJ	RZ3JJ	RZ3JJ

ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 4-RZ3JJ

VALIDATED DATA

COMPOUND	UNITS	017	018	019	020	021
HC11 PCB - AROCLOR 1016, WIPE	UGCM2	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
HC12 PCB - AROCLOR 1221, WIPE	UGCM2	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
HC13 PCB - AROCLOR 1232, WIPE	UGCM2	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
HC14 PCB - AROCLOR 1242, WIPE	UGCM2	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
HC15 PCB - AROCLOR 1248, WIPE	UGCM2	0.024	0.014	0.085	0.0040 U	0.025
HC16 PCB - AROCLOR 1254, WIPE	UGCM2	0.0040 U	0.034	0.077	0.0040 U	0.011
HC17 PCB - AROCLOR 1260, WIPE	UGCM2	0.0010 U	0.013	0.023	0.0010 U	0.0010 U
ZZ01 SAMPLE NUMBER	NA	017	018	019	020	021
ZZ02 ACTIVITY CODE	NA	RZ3JJ	RZ3JJ	RZ3JJ	RZ3JJ	RZ3JJ

ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 4-R23JJ

VALIDATED DATA

COMPOUND	UNITS	022	022 D	023	024	025
HC11 PCB - AROCLOR 1016, WIPE	UGCM2	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
HC12 PCB - AROCLOR 1221, WIPE	UGCM2	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
HC13 PCB - AROCLOR 1232, WIPE	UGCM2	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
HC14 PCB - AROCLOR 1242, WIPE	UGCM2	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
HC15 PCB - AROCLOR 1248, WIPE	UGCM2	0.036	0.049	0.14	0.072	0.014
HC16 PCB - AROCLOR 1254, WIPE	UGCM2	0.066	0.067	0.20	0.14	0.018
HC17 PCB - AROCLOR 1260, WIPE	UGCM2	0.17 <i>0.17</i>	0.24 <i>0.24</i>	0.17 <i>0.17</i>	0.090	0.039
ZZ01 SAMPLE NUMBER	NA	022	022	023	024	025
ZZ02 ACTIVITY CODE	NA	R23JJ	R23JJ	R23JJ	R23JJ	R23JJ

ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 4-R23JJ

VALIDATED DATA

COMPOUND	UNITS	026	027	028	029	030
HC11 PCB - AROCLOR 1016, WIPE	UGCM2	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
HC12 PCB - AROCLOR 1221, WIPE	UGCM2	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
HC13 PCB - AROCLOR 1232, WIPE	UGCM2	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
HC14 PCB - AROCLOR 1242, WIPE	UGCM2	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
HC15 PCB - AROCLOR 1248, WIPE	UGCM2	0.20	0.070	0.64	0.39	0.32
HC16 PCB - AROCLOR 1254, WIPE	UGCM2	0.47	0.10	0.53	0.69	0.46
HC17 PCB - AROCLOR 1260, WIPE	UGCM2	0.10	0.040	0.073	0.14	0.11
ZZ01 SAMPLE NUMBER	NA	026	027	028	029	030
ZZ02 ACTIVITY CODE	NA	R23JJ	R23JJ	R23JJ	R23JJ	R23JJ

ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 4-R23JJ

VALIDATED DATA

COMPOUND	UNITS	031	032	033	034	035
HC11 PCB - AROCLOR 1016, WIPE	UGCM2	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
HC12 PCB - AROCLOR 1221, WIPE	UGCM2	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
HC13 PCB - AROCLOR 1232, WIPE	UGCM2	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
HC14 PCB - AROCLOR 1242, WIPE	UGCM2	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
HC15 PCB - AROCLOR 1248, WIPE	UGCM2	0.055	0.0078	0.076	0.0040 U	0.051
HC16 PCB - AROCLOR 1254, WIPE	UGCM2	0.30	0.038	0.25	0.028	0.12
HC17 PCB - AROCLOR 1260, WIPE	UGCM2	0.16	0.043	0.095	0.011	0.029
ZZ01 SAMPLE NUMBER	NA	031	032	033	034	035
ZZ02 ACTIVITY CODE	NA	R23JJ	R23JJ	R23JJ	R23JJ	R23JJ

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ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 4-RZ3JJ

VALIDATED DATA

COMPOUND	UNITS	036	037	038	039	040
HC11 PCB - AROCLOR 1016, WIPE	UGCM2	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
HC12 PCB - AROCLOR 1221, WIPE	UGCM2	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
HC13 PCB - AROCLOR 1232, WIPE	UGCM2	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
HC14 PCB - AROCLOR 1242, WIPE	UGCM2	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
HC15 PCB - AROCLOR 1248, WIPE	UGCM2	0.089	0.40	0.27	0.052	0.0040 U
HC16 PCB - AROCLOR 1254, WIPE	UGCM2	0.21	0.34	0.99	0.097	0.0040 U
HC17 PCB - AROCLOR 1260, WIPE	UGCM2	0.087	0.28	0.15	0.065	0.0010 U
ZZ01 SAMPLE NUMBER	NA	036	037	038	039	040
ZZ02 ACTIVITY CODE	NA	RZ3JJ	RZ3JJ	RZ3JJ	RZ3JJ	RZ3JJ

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ACTIVITY: 4-R23JJ

VALIDATED DATA

COMPOUND	UNITS	041	042	043	044	045
HC11 PCB - AROCLOR 1016, WIPE	UGCM2	0.0040 U			0.0040 U	0.0040 U
HC12 PCB - AROCLOR 1221, WIPE	UGCM2	0.0030 U			0.0030 U	0.0030 U
HC13 PCB - AROCLOR 1232, WIPE	UGCM2	0.0010 U			0.0010 U	0.0010 U
HC14 PCB - AROCLOR 1242, WIPE	UGCM2	0.0040 U			0.0040 U	0.0040 U
HC15 PCB - AROCLOR 1248, WIPE	UGCM2	0.0040 U			0.027	0.0040 U
HC16 PCB - AROCLOR 1254, WIPE	UGCM2	0.025			0.099	0.0052
HC17 PCB - AROCLOR 1260, WIPE	UGCM2	0.017			0.043	0.0010 U
SG07 SOLIDS, PERCENT	%		83	96		
SM01 SILVER, TOTAL, BY ICAP	MG/KG		6.15 U	6.15 U		
SM02 ALUMINUM, TOTAL, BY ICAP	MG/KG		5810	36900		
SM04 BARIUM, TOTAL, BY ICAP	MG/KG		171	119		
SM05 BERYLLIUM, TOTAL, BY ICAP	MG/KG		1.39 U	1.39 U		
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG		23.2	18.3		
SM07 COBALT, TOTAL, BY ICAP	MG/KG		24.2	33.1		
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG		387	572		
SM09 COPPER, TOTAL, BY ICAP	MG/KG		963	2460		
SM10 IRON, TOTAL, BY ICAP	MG/KG		93700	178000		
SM11 MANGANESE, TOTAL, BY ICAP	MG/KG		578	1050		
SM12 MOLYBDENUM, TOTAL, BY ICAP	MG/KG		6.37	6.65		
SM13 NICKEL, TOTAL, BY ICAP	MG/KG		38.2	185		
SM14 LEAD, TOTAL, BY ICAP	MG/KG		2070	1170		
SM15 ANTIMONY, TOTAL, BY ICAP	MG/KG		777	12.7		
SM18 THALLIUM, TOTAL, BY ICAP	MG/KG		31.5 U	31.5 U		
SM19 VANADIUM, TOTAL, BY ICAP	MG/KG		30.5 U	30.5 U		
SM20 ZINC, TOTAL, BY ICAP	MG/KG		2880	8510		
SM21 CALCIUM, TOTAL, BY ICAP	MG/KG		12100	18800		

500 mm. In 17 July, the wind changed from S to
strong, and

ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 4-R23JJ

VALIDATED DATA

COMPOUND	UNITS	041	042	043	044	045
SM22 MAGNESIUM, TOTAL, BY ICAP	MG/KG		1730	18000		
SM23 SODIUM, TOTAL, BY ICAP	MG/KG		2660	1380		
SM24 POTASSIUM, TOTAL, BY ICAP	MG/KG		970	476		
SM27 ARSENIC, TOTAL, BY AA	MG/KG		14.8	51.3		
SM32 SELENIUM, TOTAL, BY AA	MG/KG		3.62 U	3.62 U		
SP17 PCB-AROCLOR 1016	UG/KG			1400 U		
SP18 PCB-AROCLOR 1221	UG/KG			1200 U		
SP19 PCB-AROCLOR 1232	UG/KG			400 U		
SP20 PCB-AROCLOR 1242	UG/KG			380 U		
SP21 PCB-AROCLOR 1248	UG/KG			78000		
SP22 PCB-AROCLOR 1254	UG/KG			180 U		
SP23 PCB-AROCLOR 1260	UG/KG			250 U		
ST09 CYANIDE, TOTAL	MG/KG		1.73	1.90		
ZZ01 SAMPLE NUMBER	NA	041	042	043	044	045
ZZ02 ACTIVITY CODE	NA	R23JJ	R23JJ	R23JJ	R23JJ	R23JJ

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ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 4-R23JJ

VALIDATED DATA

COMPOUND	UNITS	046	047	048	049	050
HC11 PCB - AROCLOR 1016, WIPE	UGCM2		0.0040 U	0.0040 U	0.0040 U	0.0040 U
HC12 PCB - AROCLOR 1221, WIPE	UGCM2		0.0030 U	0.0030 U	0.0030 U	0.0030 U
HC13 PCB - AROCLOR 1232, WIPE	UGCM2		0.0010 U	0.0010 U	0.0010 U	0.0010 U
HC14 PCB - AROCLOR 1242, WIPE	UGCM2		0.0040 U	0.0040 U	0.0040 U	0.0040 U
HC15 PCB - AROCLOR 1248, WIPE	UGCM2		3.33	0.100	0.095	0.102
HC16 PCB - AROCLOR 1254, WIPE	UGCM2		4.9	0.068	0.15	0.13
HC17 PCB - AROCLOR 1260, WIPE	UGCM2		0.64	0.043	0.033	0.026
SG07 SOLIDS, PERCENT	%	96				
SM01 SILVER, TOTAL, BY ICAP	MG/KG	6.15 U				
SM02 ALUMINUM, TOTAL, BY ICAP	MG/KG	11300				
SM04 BARIUM, TOTAL, BY ICAP	MG/KG	35.6 U				
SM05 BERYLLIUM, TOTAL, BY ICAP	MG/KG	1.39 U				
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG	40.6				
SM07 COBALT, TOTAL, BY ICAP	MG/KG	35.4				
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG	437				
SM09 COPPER, TOTAL, BY ICAP	MG/KG	12000				
SM10 IRON, TOTAL, BY ICAP	MG/KG	122000				
SM11 MANGANESE, TOTAL, BY ICAP	MG/KG	643				
SM12 MOLYBDENUM, TOTAL, BY ICAP	MG/KG	3.93 U				
SM13 NICKEL, TOTAL, BY ICAP	MG/KG	24.0				
SM14 LEAD, TOTAL, BY ICAP	MG/KG	2170				
SM15 ANTIMONY, TOTAL, BY ICAP	MG/KG	14.4				
SM18 THALLIUM, TOTAL, BY ICAP	MG/KG	31.5 U				
SM19 VANADIUM, TOTAL, BY ICAP	MG/KG	30.5 U				
SM20 ZINC, TOTAL, BY ICAP	MG/KG	8600				
SM21 CALCIUM, TOTAL, BY ICAP	MG/KG	65900				

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ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 4-R23JJ

VALIDATED DATA

COMPOUND	UNITS	046	047	048	049	050
SM22 MAGNESIUM, TOTAL, BY ICAP	MG/KG	6800				
SM23 SODIUM, TOTAL, BY ICAP	MG/KG	7720				
SM24 POTASSIUM, TOTAL, BY ICAP	MG/KG	683				
SM27 ARSENIC, TOTAL, BY AA	MG/KG	13.6				
SM32 SELENIUM, TOTAL, BY AA	MG/KG	3.62	U			
SP17 PCB-AROCLOR 1016	UG/KG	140	U			
SP18 PCB-AROCLOR 1221	UG/KG	120	U			
SP19 PCB-AROCLOR 1232	UG/KG	40	U			
SP20 PCB-AROCLOR 1242	UG/KG	38	U			
SP21 PCB-AROCLOR 1248	UG/KG	8900				
SP22 PCB-AROCLOR 1254	UG/KG	18	U			
SP23 PCB-AROCLOR 1260	UG/KG	25	U			
ST09 CYANIDE, TOTAL	MG/KG	0.156				
Z201 SAMPLE NUMBER	NA	046	047	048	049	050
Z202 ACTIVITY CODE	NA	R23JJ	R23JJ	R23JJ	R23JJ	R23JJ

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ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 4-R23JJ

VALIDATED DATA

COMPOUND	UNITS	051	052	053	054	055
HC11 PCB - AROCLOR 1016, WIPE	UGCM2	0.0040 U	0.0040 U	0.0040 U	0.0040 U	
HC12 PCB - AROCLOR 1221, WIPE	UGCM2	0.0030 U	0.0030 U	0.0030 U	0.0030 U	
HC13 PCB - AROCLOR 1232, WIPE	UGCM2	0.0010 U	0.0010 U	0.0010 U	0.0010 U	
HC14 PCB - AROCLOR 1242, WIPE	UGCM2	0.0040 U	0.0040 U	0.0040 U	0.0040 U	
HC15 PCB - AROCLOR 1248, WIPE	UGCM2	0.0040 U	0.11	10	3.7	
HC16 PCB - AROCLOR 1254, WIPE	UGCM2	0.013	0.18	13	4.7	
HC17 PCB - AROCLOR 1260, WIPE	UGCM2	0.0010 U	0.0010 U	1.6	0.69	
SG07 SOLIDS, PERCENT	%					97
SM01 SILVER, TOTAL, BY ICAP	MG/KG					7.84
SM02 ALUMINUM, TOTAL, BY ICAP	MG/KG					12900
SM04 BARIUM, TOTAL, BY ICAP	MG/KG					476
SM05 BERYLLIUM, TOTAL, BY ICAP	MG/KG					1.39 U
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG					29.4
SM07 COBALT, TOTAL, BY ICAP	MG/KG					37.3
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG					412
SM09 COPPER, TOTAL, BY ICAP	MG/KG					5110
SM10 IRON, TOTAL, BY ICAP	MG/KG					197000
SM11 MANGANESE, TOTAL, BY ICAP	MG/KG					1150
SM12 MOLYBDENUM, TOTAL, BY ICAP	MG/KG					52.1
SM13 NICKEL, TOTAL, BY ICAP	MG/KG					133
SM14 LEAD, TOTAL, BY ICAP	MG/KG					3840
SM15 ANTIMONY, TOTAL, BY ICAP	MG/KG					16.7
SM18 THALLIUM, TOTAL, BY ICAP	MG/KG					31.5 U
SM19 VANADIUM, TOTAL, BY ICAP	MG/KG					30.5 U
SM20 ZINC, TOTAL, BY ICAP	MG/KG					22200
SM21 CALCIUM, TOTAL, BY ICAP	MG/KG					27500

ACTIVITY: 4-R23JJ

COMPOUND	UNITS	051	052	053	054	055
SM22 MAGNESIUM, TOTAL, BY ICAP	MG/KG					5540
SM23 SODIUM, TOTAL, BY ICAP	MG/KG					1440
SM24 POTASSIUM, TOTAL, BY ICAP	MG/KG					887
SM27 ARSENIC, TOTAL, BY AA	MG/KG					21.0
SM32 SELENIUM, TOTAL, BY AA	MG/KG					3.62 U
SP17 PCB-AROCLOR 1016	UG/KG					1400 U
SP18 PCB-AROCLOR 1221	UG/KG					1200 U
SP19 PCB-AROCLOR 1232	UG/KG					400 U
SP20 PCB-AROCLOR 1242	UG/KG					380 U
SP21 PCB-AROCLOR 1248	UG/KG					1500000
SP22 PCB-AROCLOR 1254	UG/KG					180 U
SP23 PCB-AROCLOR 1260	UG/KG					250 U
ST09 CYANIDE, TOTAL	MG/KG					50.5
ZZ01 SAMPLE NUMBER	NA	051	052	053	054	055
ZZ02 ACTIVITY CODE	NA	R23JJ	R23JJ	R23JJ	R23JJ	R23JJ

At 12.42

[illegible]

1890. 1891. 1892. 1893. 1894. 1895. 1896. 1897. 1898. 1899. 1900. 1901. 1902. 1903. 1904. 1905. 1906. 1907. 1908. 1909. 1910. 1911. 1912. 1913. 1914. 1915. 1916. 1917. 1918. 1919. 1920. 1921. 1922. 1923. 1924. 1925. 1926. 1927. 1928. 1929. 1930. 1931. 1932. 1933. 1934. 1935. 1936. 1937. 1938. 1939. 1940. 1941. 1942. 1943. 1944. 1945. 1946. 1947. 1948. 1949. 1950. 1951. 1952. 1953. 1954. 1955. 1956. 1957. 1958. 1959. 1960. 1961. 1962. 1963. 1964. 1965. 1966. 1967. 1968. 1969. 1970. 1971. 1972. 1973. 1974. 1975. 1976. 1977. 1978. 1979. 1980. 1981. 1982. 1983. 1984. 1985. 1986. 1987. 1988. 1989. 1990. 1991. 1992. 1993. 1994. 1995. 1996. 1997. 1998. 1999. 2000. 2001. 2002. 2003. 2004. 2005. 2006. 2007. 2008. 2009. 2010. 2011. 2012. 2013. 2014. 2015. 2016. 2017. 2018. 2019. 2020. 2021. 2022. 2023. 2024. 2025. 2026. 2027. 2028. 2029. 2030. 2031. 2032. 2033. 2034. 2035. 2036. 2037. 2038. 2039. 2040. 2041. 2042. 2043. 2044. 2045. 2046. 2047. 2048. 2049. 2050. 2051. 2052. 2053. 2054. 2055. 2056. 2057. 2058. 2059. 2060. 2061. 2062. 2063. 2064. 2065. 2066. 2067. 2068. 2069. 2070. 2071. 2072. 2073. 2074. 2075. 2076. 2077. 2078. 2079. 2080. 2081. 2082. 2083. 2084. 2085. 2086. 2087. 2088. 2089. 2090. 2091. 2092. 2093. 2094. 2095. 2096. 2097. 2098. 2099. 2100. 2101. 2102. 2103. 2104. 2105. 2106. 2107. 2108. 2109. 2110. 2111. 2112. 2113. 2114. 2115. 2116. 2117. 2118. 2119. 2120. 2121. 2122. 2123. 2124. 2125. 2126. 2127. 2128. 2129. 2130. 2131. 2132. 2133. 2134. 2135. 2136. 2137. 2138. 2139. 2140. 2141. 2142. 2143. 2144. 2145. 2146. 2147. 2148. 2149. 2150. 2151. 2152. 2153. 2154. 2155. 2156. 2157. 2158. 2159. 2160. 2161. 2162. 2163. 2164. 2165. 2166. 2167. 2168. 2169. 2170. 2171. 2172. 2173. 2174. 2175. 2176. 2177. 2178. 2179. 2180. 2181. 2182. 2183. 2184. 2185. 2186. 2187. 2188. 2189. 2190. 2191. 2192. 2193. 2194. 2195. 2196. 2197. 2198. 2199. 2200. 2201. 2202. 2203. 2204. 2205. 2206. 2207. 2208. 2209. 2210. 2211. 2212. 2213. 2214. 2215. 2216. 2217. 2218. 2219. 2220. 2221. 2222. 2223. 2224. 2225. 2226. 2227. 2228. 2229. 2230. 2231. 2232. 2233. 2234. 2235. 2236. 2237. 2238. 2239. 2240. 2241. 2242. 2243. 2244. 2245. 2246. 2247. 2248. 2249. 2250. 2251. 2252. 2253. 2254. 2255. 2256. 2257. 2258. 2259. 2260. 2261. 2262. 2263. 2264. 2265. 2266. 2267. 2268. 2269. 2270. 2271. 2272. 2273. 2274. 2275. 2276. 2277. 2278. 2279. 2280. 2281. 2282. 2283. 2284. 2285. 2286. 2287. 2288. 2289. 2290. 2291. 2292. 2293. 2294. 2295. 2296. 2297. 2298. 2299. 2300. 2301. 2302. 2303. 2304. 2305. 2306. 2307. 2308. 2309. 2310. 2311. 2312. 2313. 2314. 2315. 2316. 2317. 2318. 2319. 2320. 2321. 2322. 2323. 2324. 2325. 2326. 2327. 2328. 2329. 2330. 2331. 2332. 2333. 2334. 2335. 2336. 2337. 2338. 2339. 2340. 2341. 2342. 2343. 2344. 2345. 2346. 2347. 2348. 2349. 2350. 2351. 2352. 2353. 2354. 2355. 2356. 2357. 2358. 2359. 2360. 2361. 2362. 2363. 2364. 2365. 2366. 2367. 2368. 2369. 2370. 2371. 2372. 2373. 2374. 2375. 2376. 2377. 2378. 2379. 2380. 2381. 2382. 2383. 2384. 2385. 2386. 2387. 2388. 2389. 2390. 2391. 2392. 2393. 2394. 2395. 2396. 2397. 2398. 2399. 2400. 2401. 2402. 2403. 2404. 2405. 2406. 2407. 2408. 2409. 2410. 2411. 2412. 2413. 2414. 2415. 2416. 2417. 2418. 2419. 2420. 2421. 2422. 2423. 2424. 2425. 2426. 2427. 2428. 2429. 2430. 2431. 2432. 2433. 2434. 2435. 2436. 2437. 2438. 2439. 2440. 2441. 2442. 2443. 2444. 2445. 2446. 2447. 2448. 2449. 2450. 2451. 2452. 2453. 2454. 2455. 2456. 2457. 2458. 2459. 2460. 2461. 2462. 2463. 2464. 2465. 2466. 2467. 2468. 2469. 2470. 2471. 2472. 2473. 2474. 2475. 2476. 2477. 2478. 2479. 2480. 2481. 2482. 2483. 2484. 2485. 2486. 2487. 2488. 2489. 2490. 2491. 2492. 2493. 2494. 2495. 2496. 2497. 2498. 2499. 2500. 2501. 2502. 2503. 2504. 2505. 2506. 2507. 2508. 2509. 2510. 2511. 2512. 2513. 2514. 2515. 2516. 2517. 2518. 2519. 2520. 2521. 2522. 2523. 2524. 2525. 2526. 2527. 2528. 2529. 2530. 2531. 2532. 2533. 2534. 2535. 2536. 2537. 2538. 2539. 2540. 2541. 2542. 2543. 2544. 2545. 2546. 2547. 2548. 2549. 2550. 2551. 2552. 2553. 2554. 2555. 2556. 2557. 2558. 2559. 2560. 2561. 2562. 2563. 2564. 2565. 2566. 2567. 2568. 2569. 2570. 2571. 25

At the same time, the β value of the β -phase is 0.00017, which is smaller than that of the α -phase (0.00022).

ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 4-RZ3JJ

VALIDATED DATA

| COMPOUND | UNITS | 056 | F | 057 | 058 | 059 | 060 |
|-------------------------------|-------|--------|---|--------|---------|--------|--------|
| HC11 PCB - AROCLOR 1016, WIPE | UGCM2 | 0.0040 | U | 0.0040 | U | 0.0040 | U |
| HC12 PCB - AROCLOR 1221, WIPE | UGCM2 | 0.0030 | U | 0.0030 | U | 0.0030 | U |
| HC13 PCB - AROCLOR 1232, WIPE | UGCM2 | 0.0010 | U | 0.0010 | U | 0.0010 | U |
| HC14 PCB - AROCLOR 1242, WIPE | UGCM2 | 0.0040 | U | 0.0040 | U | 0.0040 | U |
| HC15 PCB - AROCLOR 1248, WIPE | UGCM2 | 0.0040 | U | 0.011 | (0.311) | (0.82) | 0.081 |
| HC16 PCB - AROCLOR 1254, WIPE | UGCM2 | 0.0040 | U | 0.027 | (0.27) | (1.1) | (0.15) |
| HC17 PCB - AROCLOR 1260, WIPE | UGCM2 | 0.0010 | U | 0.0010 | U | (2.5) | (0.10) |
| ZZ01 SAMPLE NUMBER | NA | 056 | | 057 | 058 | 059 | 060 |
| ZZ02 ACTIVITY CODE | NA | RZ3JJ | | RZ3JJ | RZ3JJ | RZ3JJ | RZ3JJ |

ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 4-R23JJ

VALIDATED DATA

| COMPOUND | UNITS | 061 | 062 | 063 | 064 F | 065 |
|---------------------------------|-------|----------|----------|--------|----------|----------|
| HC11 PCB - AROCLOR 1016, WIPE | UGCM2 | 0.0040 U | 0.0040 U | | 0.0040 U | 0.0040 U |
| HC12 PCB - AROCLOR 1221, WIPE | UGCM2 | 0.0030 U | 0.0030 U | | 0.0030 U | 0.0030 U |
| HC13 PCB - AROCLOR 1232, WIPE | UGCM2 | 0.0010 U | 0.0010 U | | 0.0010 U | 0.0010 U |
| HC14 PCB - AROCLOR 1242, WIPE | UGCM2 | 0.0040 U | 0.0040 U | | 0.0040 U | 0.0040 U |
| HC15 PCB - AROCLOR 1248, WIPE | UGCM2 | 0.52) | 0.0040 U | | 0.0040 U | 240) |
| HC16 PCB - AROCLOR 1254, WIPE | UGCM2 | 0.60) | 160) | | 0.0040 U | 34) |
| HC17 PCB - AROCLOR 1260, WIPE | UGCM2 | 0.23) | 1200) | | 0.0010 U | 10) |
| SG07 SOLIDS, PERCENT | % | | | 71 | | |
| SM01 SILVER, TOTAL, BY ICAP | MG/KG | | | 6.15 U | | |
| SM02 ALUMINUM, TOTAL, BY ICAP | MG/KG | | | 24900 | | |
| SM04 BARIUM, TOTAL, BY ICAP | MG/KG | | | 342 | | |
| SM05 BERYLLIUM, TOTAL, BY ICAP | MG/KG | | | 1.39 U | | |
| SM06 CADMIUM, TOTAL, BY ICAP | MG/KG | | | 20.7 | | |
| SM07 COBALT, TOTAL, BY ICAP | MG/KG | | | 6.64 U | | |
| SM08 CHROMIUM, TOTAL, BY ICAP | MG/KG | | | 39.3 | | |
| SM09 COPPER, TOTAL, BY ICAP | MG/KG | | | 1370 | | |
| SM10 IRON, TOTAL, BY ICAP | MG/KG | | | 33100 | | |
| SM11 MANGANESE, TOTAL, BY ICAP | MG/KG | | | 197 | | |
| SM12 MOLYBDENUM, TOTAL, BY ICAP | MG/KG | | | 15.6 | | |
| SM13 NICKEL, TOTAL, BY ICAP | MG/KG | | | 23.6 | | |
| SM14 LEAD, TOTAL, BY ICAP | MG/KG | | | 372 | | |
| SM15 ANTIMONY, TOTAL, BY ICAP | MG/KG | | | 6.16 | | |
| SM18 THALLIUM, TOTAL, BY ICAP | MG/KG | | | 31.5 U | | |
| SM19 VANADIUM, TOTAL, BY ICAP | MG/KG | | | 30.5 U | | |
| SM20 ZINC, TOTAL, BY ICAP | MG/KG | | | 6940 | | |
| SM21 CALCIUM, TOTAL, BY ICAP | MG/KG | | | 15800 | | |

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ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 4-R23JJ

VALIDATED DATA

| COMPOUND | UNITS | 061 | 062 | 063 | 064 F | 065 |
|--------------------------------|-------|-------|-------|-----------|-------|-------|
| SM22 MAGNESIUM, TOTAL, BY ICAP | MG/KG | | | 1630 | | |
| SM23 SODIUM, TOTAL, BY ICAP | MG/KG | | | 885 | | |
| SM24 POTASSIUM, TOTAL, BY ICAP | MG/KG | | | 894 | | |
| SM27 ARSENIC, TOTAL, BY AA | MG/KG | | | 5.87 | | |
| SM32 SELENIUM, TOTAL, BY AA | MG/KG | | | 3.62 | U | |
| SP17 PCB-AROCLOR 1016 | UG/KG | | | 1400 | U | |
| SP18 PCB-AROCLOR 1221 | UG/KG | | | 1200 | U | |
| SP19 PCB-AROCLOR 1232 | UG/KG | | | 400 | U | |
| SP20 PCB-AROCLOR 1242 | UG/KG | | | 380 | U | |
| SP21 PCB-AROCLOR 1248 | UG/KG | | | (3300000) | | |
| SP22 PCB-AROCLOR 1254 | UG/KG | | | 180 | U | |
| SP23 PCB-AROCLOR 1260 | UG/KG | | | 250 | U | |
| ST09 CYANIDE, TOTAL | MG/KG | | | 0.348 | | |
| ZZ01 SAMPLE NUMBER | NA | 061 | 062 | 063 | 064 | 065 |
| ZZ02 ACTIVITY CODE | NA | R23JJ | R23JJ | R23JJ | R23JJ | R23JJ |

ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 4-RZ3JJ

VALIDATED DATA

| COMPOUND | UNITS | 066 | 067 | 068 | 069 |
|-------------------------------|-------|---------|---------|----------|----------|
| HC11 PCB - AROCLOR 1016, WIPE | UGCM2 | | | | 0.0040 U |
| HC12 PCB - AROCLOR 1221, WIPE | UGCM2 | | | | 0.0030 U |
| HC13 PCB - AROCLOR 1232, WIPE | UGCM2 | | | | 0.0010 U |
| HC14 PCB - AROCLOR 1242, WIPE | UGCM2 | | | | 0.0040 U |
| HC15 PCB - AROCLOR 1248, WIPE | UGCM2 | | | | 0.71 |
| HC16 PCB - AROCLOR 1254, WIPE | UGCM2 | | | | 2.1 |
| HC17 PCB - AROCLOR 1260, WIPE | UGCM2 | | | | 0.84 |
| HP17 PCB-AROCLOR 1016 | MG/KG | | | 0.014 U | |
| HP18 PCB-AROCLOR 1221 | MG/KG | | | 0.012 U | |
| HP19 PCB-AROCLOR 1232 | MG/KG | | | 0.0040 U | |
| HP20 PCB-AROCLOR 1242 | MG/KG | | | 0.0037 U | |
| HP21 PCB-AROCLOR 1248 | MG/KG | | | 0.0053 U | |
| HP22 PCB-AROCLOR 1254 | MG/KG | | | 0.0018 U | |
| HP23 PCB-AROCLOR 1260 | MG/KG | | | 55) | |
| SG07 SOLIDS, PERCENT | % | | 67 | | |
| SP17 PCB-AROCLOR 1016 | UG/KG | | 1400 U | | |
| SP18 PCB-AROCLOR 1221 | UG/KG | | 1200 U | | |
| SP19 PCB-AROCLOR 1232 | UG/KG | | 400 U | | |
| SP20 PCB-AROCLOR 1242 | UG/KG | | 380 U | | |
| SP21 PCB-AROCLOR 1248 | UG/KG | | 540 U | | |
| SP22 PCB-AROCLOR 1254 | UG/KG | | 180 U | | |
| SP23 PCB-AROCLOR 1260 | UG/KG | | 1600000 | | |
| WP17 PCB-AROCLOR 1016 | UG/L | 0.35 U | | | |
| WP18 PCB-AROCLOR 1221 | UG/L | 0.30 U | | | |
| WP19 PCB-AROCLOR 1232 | UG/L | 0.10 U | | | |
| WP20 PCB-AROCLOR 1242 | UG/L | 0.095 U | | | |

ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 4-R23JJ

VALIDATED DATA

| COMPOUND | UNITS | 066 | 067 | 068 | 069 |
|-----------------------|-------|---------|-------|-------|-------|
| WP21 PCB-AROCLOR 1248 | UG/L | 61 | | | |
| WP22 PCB-AROCLOR 1254 | UG/L | 0.044 U | | | |
| WP23 PCB-AROCLOR 1260 | UG/L | 0.062 U | | | |
| ZZ01 SAMPLE NUMBER | NA | 066 | 067 | 068 | 069 |
| ZZ02 ACTIVITY CODE | NA | R23JJ | R23JJ | R23JJ | R23JJ |

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ACTIVITY R23JJ CARTER CARBURETOR

THE PROJECT LEADER SHOULD CIRCLE ONE - STORET, AIRS, OR ARCHIVE.

CIRCLE ONE: STORET AIRS ARCHIVE

FINAL DATA REPORT APPROVED BY PROJECT LEADER ON 04/06/94 10:03:50 BY

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